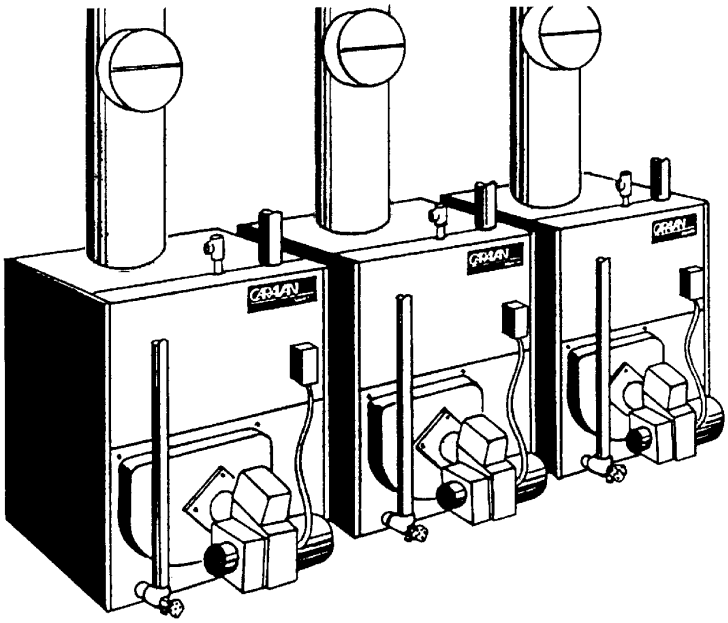
Slant/Fin®

CARAVAN® Modular Boiler Submittal Data

LDZO SERIES—Oil-Fired/Steam

A Caravan modular boiler system consists of two or more compact cast-iron boilers that offer significant advantages in terms of installed cost, efficiency and reliability. Caravan systems are based on step-firing just enough modules to meet space heating demands. LDZO systems are available in 602,000 to multi-million Btuh gross input. For additional information, see Caravan Engineering Manual, pub. C-30.



Standard Equipment

One per module unless otherwise noted

Pre-assembled cast-iron heat exchanger with insulated jacket
Flame retention oil burner, with nozzle; cadmium sulfide flame detector
Primary burner control
System pressure gauge and siphon (unmounted, one per system)
Module pressure gauge and siphon (unmounted)
Module pressure relief valve (ASME) (unmounted) 15 PSI.
Draft regulator (unmounted)
Flue brush
Module drain cock (unmounted)
Water level sight glass (unmounted)

ASME Required Options

67 Low water cut off (one per module)
PA404A Pressure control (one per module)
67M Low water cut off (one per system)
L4079B Manual reset pressure control (one per system)

Ratings

Oil Caravan ratings and dimensions/steam models — LDZO Series

Model No.	No. of Heating Modules	Ratings for No. 2 Oil I=B=R: Burner Capacity (GPH)*	Input (MBH)	Gross Output MBH	Comb. Efficiency	Net Output MBH†	Sq.Ft Steam‡	Horse-power	Boiler Water Content (gal)	Weight with Water	Recom-mended Header Size
LDZO-600-2-5	2	4.3	602	500	85.90	375	1563	14.9	21.4	1426	3"
LDZO-750-2-6	2	5.2	728	596	85.80	447	1863	17.8	25.2	1630	3"
LDZO-850-2-7	2	6.0	840	684	85.50	513	2138	20.4	29.0	1838	3"
LDZO-900-3-5	3	6.4	896	750	85.90	563	2345	22.4	32.1	2139	3"
LDZO-1100-3-6	3	7.8	1092	894	85.80	671	2796	26.7	37.8	2445	5"
LDZO-1300-3-7	3	9.0	1260	1026	85.50	770	3208	30.6	43.5	2756	5"
LDZO-1700-4-7	4	12.0	1680	1368	85.50	1035	4313	40.9	58.0	3675	6"
LDZO-2100-5-7	5	15.0	2100	1710	85.50	1319	5496	51.1	72.5	4594	6"

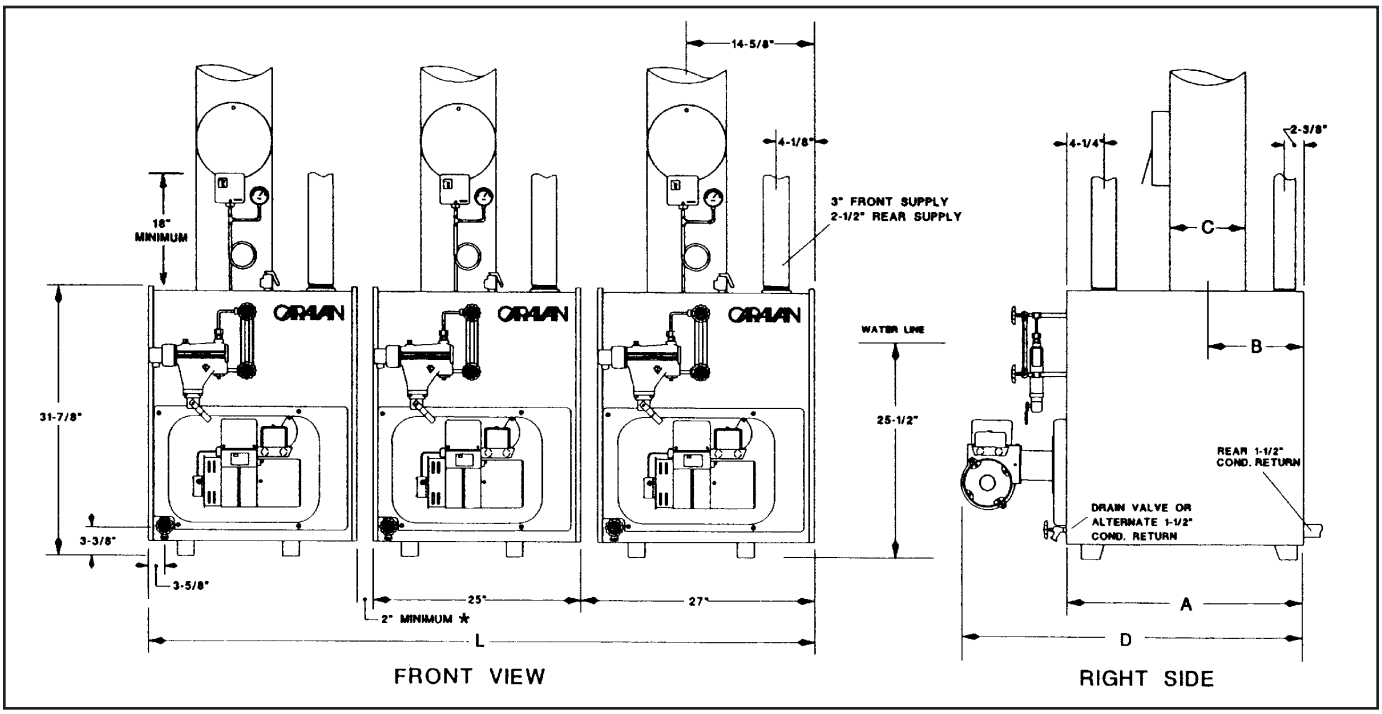
* Light oil, 140,000 Btu. per gallon.

† Net ratings are based on piping and pick-up allowance of 1.33. Slant/Fin should be consulted before selecting a boiler for installation having unusual piping and/or pick-up requirements. For higher elevations, input may need to be reduced

‡ Based on 240 Btuh per square foot E.D.R. at 215˚F average steam temperature.

Modules in excess of 5 are piped in parallel in two or more banks.

Dimensions



* CHECK LOCAL CODES TO VERIFY COMPLIANCE

Model No.	Dimensions*				
	A	B	C	D	L
LDZO-600-2-5	21⅝	8 7/32	8	34⅜	4'4"
LDZO-750-2-6	25	9 29/32	8	37¾	4'4"
LDZO-850-2-7	28⅜	11 19/32	9	41⅛	4'4"
LDZO-900-3-5	21⅝	8 7/32	8	34⅜	6'7"
LDZO-1100-3-6	25	9 29/32	8	37¾	6'7"
LDZO-1300-3-7	28⅜	11 19/32	9	41⅛	6'7"
LDZO-1700-4-7	28⅜	11 19/32	9	41⅛	8'10"
LDZO-2100-5-7	28⅜	11 19/32	9	41⅛	11'1"

* Inches, except "L" which is feet/inches.

Design Data

Max. ASME Working Pressure: 15 psi
Power Requirements: 120 V/60 HZ,
6.0 amps per module

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Slant/Fin®
SLANT/FIN CORPORATION, Greenvale, N.Y. 11548 • Phone: (516) 484-2600
FAX: (516) 484-5921 • *Canada: Slant/Fin LTD/LTEE, Mississauga, Ontario*
www.slantfin.com